

Summary

Production Name	VAV1 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IF,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	VAV1
Alternative Names	VAV1; VAV; Proto-oncogene vav
Gene ID	7409.0
SwissProt ID	P15498.The antiserum was produced against synthesized peptide derived from human VAV1. AA range:131-180

Application

Dilution Ratio	WB 1:500 - 1:2000. ELISA: 1:5000.. IF 1:50-200
Molecular Weight	98kD

Background

Product Name: VAV1 Rabbit Polyclonal Antibody
Catalog #: APRab19741

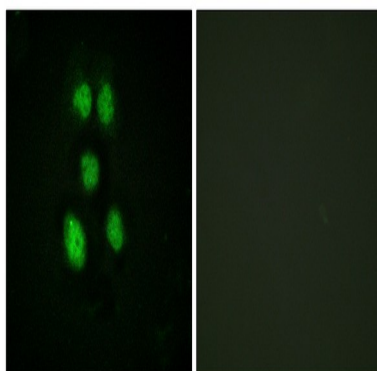


This gene is a member of the VAV gene family. The VAV proteins are guanine nucleotide exchange factors (GEFs) for Rho family GTPases that activate pathways leading to actin cytoskeletal rearrangements and transcriptional alterations. The encoded protein is important in hematopoiesis, playing a role in T-cell and B-cell development and activation. The encoded protein has been identified as the specific binding partner of Nef proteins from HIV-1. Coexpression and binding of these partners initiates profound morphological changes, cytoskeletal rearrangements and the JNK/SAPK signaling cascade, leading to increased levels of viral transcription and replication. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Apr 2012],domain:The DH domain is involved in interaction with CCPG1.,function:Couples tyrosine kinase signals with the activation of the Rho/Rac GTPases, thus leading to cell differentiation and/or proliferation.,miscellaneous:'Vav' stands for the sixth letter of the Hebrew alphabet.,PTM:Phosphorylated on tyrosine residues.,similarity:Contains 1 CH (calponin-homology) domain.,similarity:Contains 1 DH (DBL-homology) domain.,similarity:Contains 1 PH domain.,similarity:Contains 1 phorbol-ester/DAG-type zinc finger.,similarity:Contains 1 SH2 domain.,similarity:Contains 2 SH3 domains.,subunit:May interact with CCPG1 (By similarity). Interacts with APS, DOCK2, GRB2, GRB3, DOCK2, SLA and ZNF655/VIK. Interacts with SIAH2; without leading to its degradation. Associates with BLNK, PLCG1, GRB2 and NCK1 in a B-cell antigen receptor-dependent fashion. Interacts with CBLB; which inhibits tyrosine phosphorylation and down-regulates activity. Interacts with SHB and CLNK.,tissue specificity:Widely expressed in hematopoietic cells but not in other cell types.,

Research Area

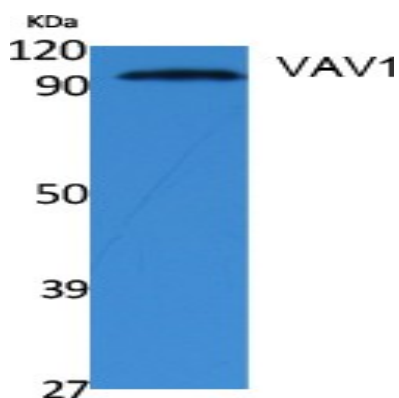
Chemokine;Focal adhesion;Natural killer cell mediated cytotoxicity;T_Cell_Receptor;B_Cell_Antigen;Fc epsilon RI;Fc gamma R-mediated phagocytosis;Leukocyte transendothelial migration;Regulates Actin and Cytoskeleton;

Image Data



Immunofluorescence analysis of HeLa cells, using VAV1 Antibody. The picture on the right is blocked with the synthesized peptide.

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Western Blot analysis of extracts from NIH-3T3 cells, using VAV1 Polyclonal Antibody.. Secondary antibody was diluted at 1:20000

Note

For research use only.